

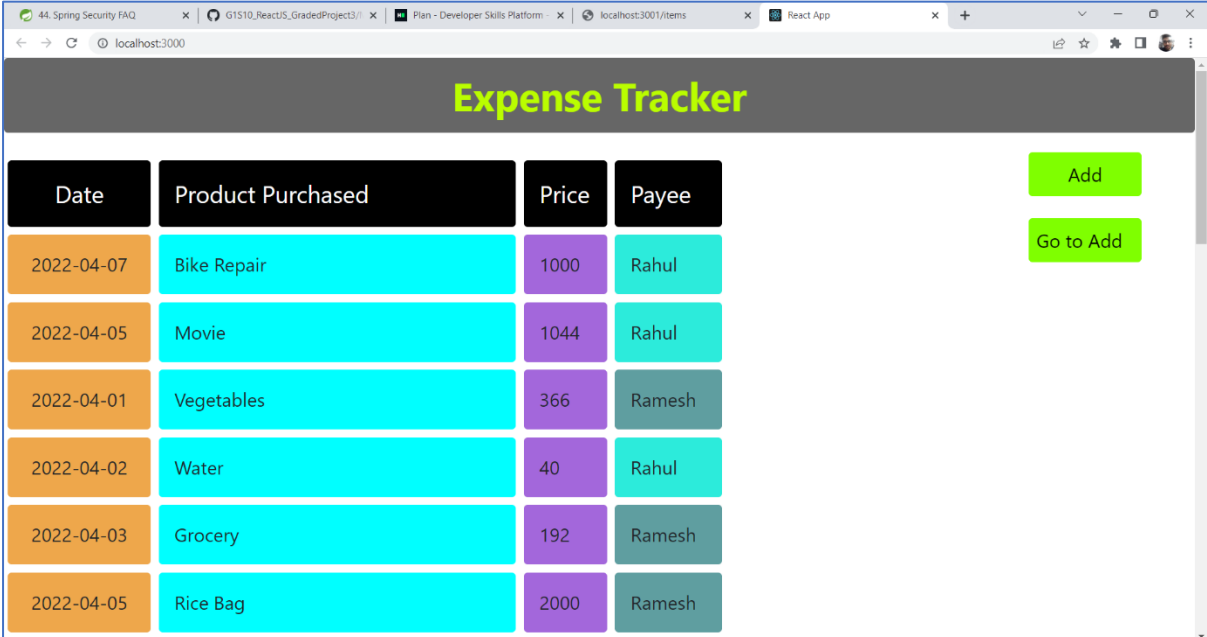
# Lab 4 – ReactJS

Above project is a demonstration of **ReactJS** to create an Expense Tracker Application.

The application handles following tasks ->

- Provide a json-server which can store the data for future use.
- Provide a GUI structure where the data from json-server can be seen.
- Provide a GUI structure where user can fill the details needed to store in the server.
- At the end of the data retrieved from server, show Total spent, person A spent, Person B spent, who pays to whom and how has to be paid by them at any given time.
- View the Add new Item Form separately.

## Home Page



Date	Product Purchased	Price	Payee
2022-04-07	Bike Repair	1000	Rahul
2022-04-05	Movie	1044	Rahul
2022-04-01	Vegetables	366	Ramesh
2022-04-02	Water	40	Rahul
2022-04-03	Grocery	192	Ramesh
2022-04-05	Rice Bag	2000	Ramesh

Basic UI layout

By clicking on **Add** button, user can enter the record details in the form that appears.

The form does validation and saves the data provided after user submits the form.

**Add New Item**

Read the below instructions before proceeding:  
Make sure to fill all the fields marked as \*

Name\*  
Ramesh

Product Purchased\*

Price\*  
0

Date\*  
20-03-2023

Please fill out this field.

Submit Close

Add  
Go to Add

Date	Product Purchased	Price	Name
2022-04-07	Bike Repair		
2022-04-05	Movie		
2022-04-01	Vegetables		
2022-04-02	Water		
2022-04-03	Grocery		
2022-04-05	Rice Bag	2000	Rame

Form to add new records

**Add New Item**

Read the below instructions before proceeding:  
Make sure to fill all the fields marked as \*

Name\*  
Medicines

Product Purchased\*

Price\*  
3000

Date\*  
26-02-2023

Submit Close

Add  
Go to Add

Date	Product Purchased	Price	Name
2022-04-07	Bike Repair		
2022-04-05	Movie		
2022-04-01	Vegetables		
2022-04-02	Water		
2022-04-03	Grocery		
2022-04-05	Rice Bag	2000	Rame

2022-04-09	water	40	Ramesh
2022-05-06	Rent	12000	Ramesh
2022-05-30	Water bottle	200	Rahul
2023-02-26	Medicines	3000	Ramesh

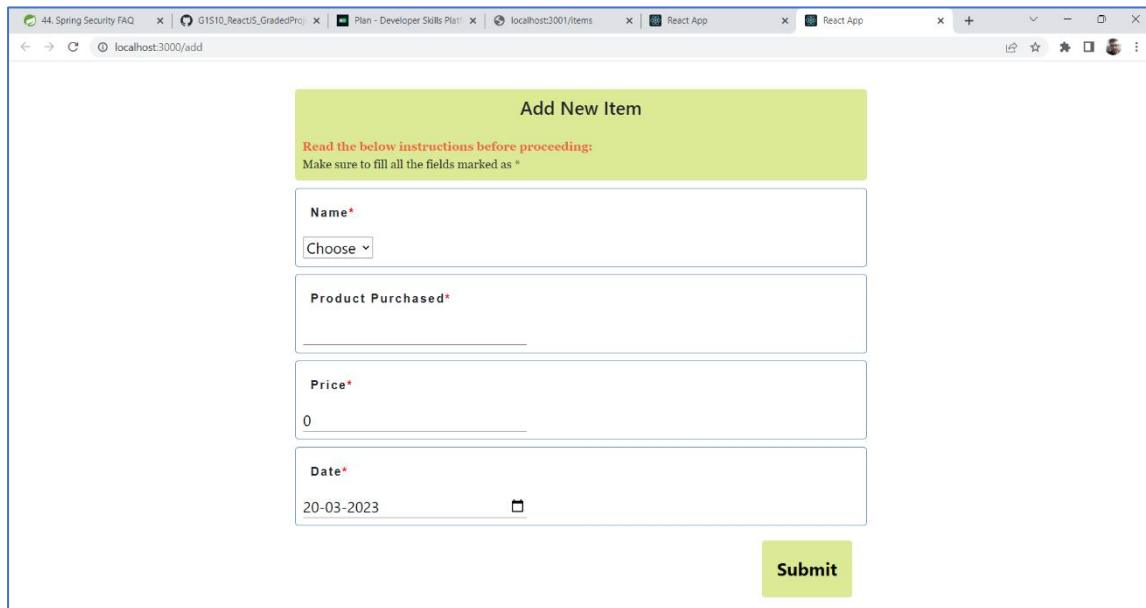
Add  
Go to Add

Total :	23315
Rahul Paid :	3477
Ramesh Paid :	19838
Pay Ramesh	8180.5

Submitted records get displayed

# Add Form Page

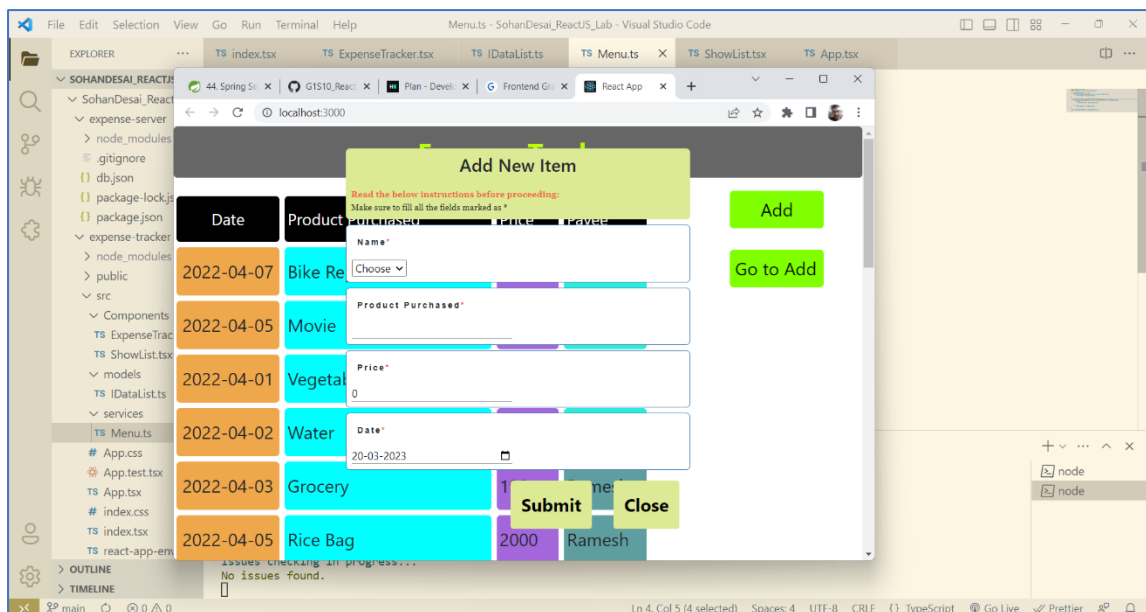
When user clicks on **Go to Add** button, it loads the Add form in new tab separately.



The screenshot shows a web browser window with the URL `localhost:3000/add`. The page has a light green header with the title "Add New Item". Below the header, there is a red warning message: "Read the below instructions before proceeding: Make sure to fill all the fields marked as \*". The form contains four input fields, each with a red asterisk indicating it is required: "Name\*" (with a "Choose" dropdown), "Product Purchased\*", "Price\*" (with the value "0"), and "Date\*" (with the value "20-03-2023" and a calendar icon). A green "Submit" button is located at the bottom right of the form.

This form functions similarly i.e. when user submits the data, the form does validation and then adds it to the json-server. After adding data to server the application redirects to **Home page**

Entire application has responsive UI



Thus we've successfully created an expense tracker application using **ReactJS**.

Also you will find a video recording of this project on our google drive. Link to which is shared below.

[https://drive.google.com/file/d/1ceUZGQJPTUh32Zbss9SRZdX-mWGuVIEB/view?usp=share link](https://drive.google.com/file/d/1ceUZGQJPTUh32Zbss9SRZdX-mWGuVIEB/view?usp=share_link)

Thanks!

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